



TUBE 145



Areas of application

High-End LED TUBE Made in Germany, sustainable and 90% recyclable:

- Industrial areas, for example production halls, warehouses, trade centers
- Offices, schools, hotels
- Wholesale stores, garages, public buildings



Product benefits

Highest quality and maximum energy saving:

- Double-capped LED retrofit lamp for suitable luminaires, fixtures and fittings according international norm IEC EN 62776.
- Up to 80% energy savings.
- Lowest CO₂ Carbon Footprint on the market, reduce of CO₂-output about 75%.
- Lifetime >50.000 hours.
- The high-performance power supply and overvoltage protection are integrated in the GLT TUBE.
- Samsung LEDs.
- CE conformity of the luminaire is maintained.
- Conversion possible as purchase, rental or leasing.



Double-capped LED conversion lamp that can be used as a replacement for another type of lamp that requires modification of the luminaire (ECG luminaire). In this case, the ballast is bridged by a qualified electrician using the GLT-conversion kit supplied.



Sustainability

GLT TUBES - resource-saving and economical:

- Environmental Product Declaration (EPD) in accordance with international standards ISO 14025 and EN 15804. Certified by the Institut Bauen und Umwelt e.V. as a LED light source for sustainable construction.
- Made in Germany -research, development and production exclusively in Germany.
- All components can be replaced and repaired.
- GLT reusable system - we take back your old GLT TUBES.



Product data | GLT TUBE 145

Certificates:	CE, EPD
Photobiological protection class:	0
IK protection class:	10
Operating temperature:	-40°C to +70°C
Switching cycles before failure:	>1.000.000
Warranty:	3 years
Socket/base:	T5/G5
Cover:	Milky, Diffuse, Clear
Length:	145 cm
Weight:	412 g
Dimensions:	146,3 cm x 2,8 cm Ø

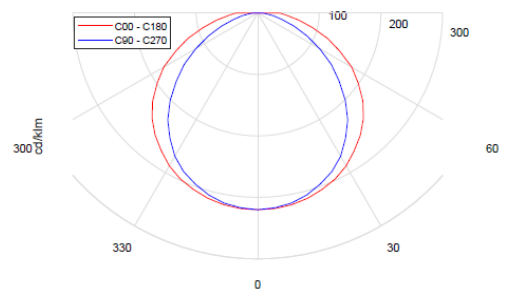
Photometric characteristics

Beam angle:	90°, 120°, 150°
Lumen:	2.300 lm - 3.550 lm
Colour temperature:	3.000K, 3.500K, 4.000K, 5.000K
Colour rendering index:	Ra 92 - Ra 94
L70 (70% luminous intensity):	L70 = 130.000 hours

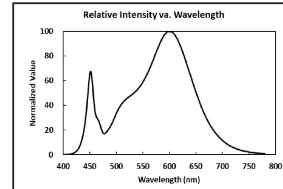
Electrical characteristics

Input voltage:	230 Volt
Consumption:	17 W
Power supply:	Integrated high-performance power supply
Operating frequency:	50 - 60 Hz
Lifetime:	>50.000 hours
Power factor:	>95
Power consumption:	16,8 kWh/1.000 h

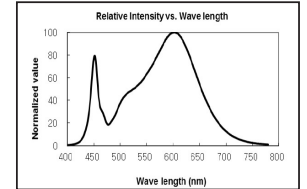
light distribution



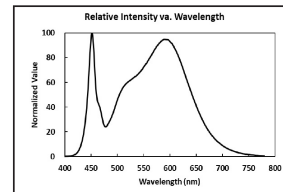
light spectrum 3.000K



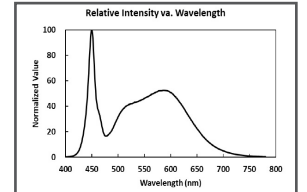
light spectrum 3.500K



light spectrum 4.000K



light spectrum 5.000K



article-nr.	description	cover	colour temperature	luminous flux	EPREL-nr.	energy efficiency
1001140230202003	GLT TUBE 145 M 3K+	Milky 120°	3.000K	2.500 lm	1463445	
1001140230204001	GLT TUBE 145 M 3K+++	Milky 120°	3.000K	3.450 lm	1653802	
1001140235204001	GLT TUBE 145 M 3,5K+++	Milky 120°	3.500K	3.500 lm	1653824	
1001140240203003	GLT TUBE 145 M 4K++	Milky 120°	4.000K	3.000 lm	1388769	
1001140240204001	GLT TUBE 145 M 4K+++	Milky 120°	4.000K	3.550 lm	1643766	
1001140250203003	GLT TUBE 145 M 5K++	Milky 120°	5.000K	3.000 lm	1388770	
1001140250204001	GLT TUBE 145 M 5K+++	Milky 120°	5.000K	3.550 lm	1643772	
1001140530202003	GLT TUBE 145 D 3K+	Diffuse 150°	3.000K	2.300 lm	1653836	
1001140530204003	GLT TUBE 145 D 3K+++	Diffuse 150°	3.000K	3.250 lm	1653859	
1001140535204003	GLT TUBE 145 D 3,5K+++	Diffuse 150°	3.500K	3.300 lm	1653876	
1001140540203003	GLT TUBE 145 D 4K++	Diffuse 150°	4.000K	2.800 lm	1388772	
1001140540204003	GLT TUBE 145 D 4K+++	Diffuse 150°	4.000K	3.350 lm	1643765	
1001140550203003	GLT TUBE 145 D 5K++	Diffuse 150°	5.000K	2.800 lm	1388775	
1001140550204003	GLT TUBE 145 D 5K+++	Diffuse 150°	5.000K	3.400 lm	1653892	
1001140140203003	GLT TUBE 145 C 4K++	Clear 90°	4.000K	3.000 lm	1388776	
1001140140204001	GLT TUBE 145 C 4K+++	Clear 90°	4.000K	3.550 lm	1653907	
1001140150203003	GLT TUBE 145 C 5K++	Clear 90°	5.000K	3.000 lm	1388777	
1001140150204001	GLT TUBE 145 C 5K+++	Clear 90°	5.000K	3.550 lm	1653925	

The luminaire complies with the basic requirements of the applicable EU directives and product safety law and carries the CE mark and EPD. Please consult your consultant if the luminaire is to be used in chemically polluted environments, under increased ambient temperatures or high or condensing humidity.